## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Ramanathan Srinivasan, et al

SLURRY FOR CHEMICAL MECHANICAL POLISHING SILICON DIOXIDE

Serial No. Divisional Application of US 10/192,471

Filed Herewith

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450 Group Art Unit: To Be Assigned

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Sir:

## INFORMATION DISCLOSURE STATEMENT FOR CONSIDERATION BY THE OFFICE UNDER 37 C.F.R. 1.97-1.99

Enclosed herewith are patents and/or publications for consideration by the Patent and Trademark Office in regard to the invention claimed in the above-described application. In compliance with §1.56, such documents are listed in the enclosed Form PTO-1449.

Applicants request that the Patent and Trademark Office make of record the above-identified documents. Unless otherwise indicated, a full text copy of each document is attached. For documents not in English, an English translation or an equivalent English language patent or publication may be attached. Where a translation is not available, a concise explanation of the relevance of each document not in English is included either here or in the specification.

This Information Disclosure Statement (hereinafter "Statement") is submitted according to the following selected paragraph:

I. X This Statement is being filed under §1.97(b) within three months of the filing date of the application (other than a CPA), or before the mailing of a first Office action on the merits or before the mailing of a first Office action after the filing of a request for continued examination.

Also, please note: Copies of the cited references were submitted to or cited by the U.S. Patent and Trademark Office under the parent application Serial No. 10/192,471, filed July 10, 2002. Therefore, additional copies of these references are unnecessary, as provided in the Patent and Trademark Office Notice dated April 12, 1977, 957 OG 12.

П.	This Statement is being filed under §1.97(c), with fee, <b>prior</b> to the mailing date of any of a final action, a notice of allowance or an action that otherwise closes prosecution in the application. Please charge the fee required by §1.17(p) to Eastman Kodak Company Deposit Order Account Number 05-0225. A duplicate copy of this Certification is enclosed.
Ш.	This Statement is being filed under §1.97(c), with a certification under, §1.97(e) <b>prior</b> to the mailing date of any of a final action, a notice of allowance or an action that otherwise closes prosecution in the application. The undersigned hereby states that (check one):
	each item of information contained in this Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement.
	no item of information in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this certification under §1.97(e) after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated in §1.56(c) more than three months prior to the filing of this Statement.
IV.	This Statement is being filed under §1.97(d), with fee and certification under §1.97(e), on or after the mailing date of either a final action, a notice of allowance (but prior to payment of the issue fee) or an action that otherwise closes prosecution in the application. Please charge the fee required by §1.17(p) to Eastman Kodak Company Deposit Order Account No. 05-0225. A duplicate copy of this Certification is enclosed. The undersigned hereby states that (check one):
	each item of information in this Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement.
	no item of information in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this certification under §1.97(e) after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated in §1.56(c) more than three months prior to the filing of this Statement.

Respectfully submitted,

Attorney for Applicants
Registration No. 36,390

Peyton C. Watkins/lam Telephone: (585) 477-8282 Facsimile: (585) 477-4646

Enclosures

FORM PTO-1449 US DEPARTMENT OF COMMERCE Atty. Docket No. Serial No. 80236DPCW To Be Assigned PATENT AND TRADEMARK OFFICE Customer No. 01333 If AFTER the later date of the first Office Action or 3 months from filing, use only with Rule 97(E) Ramanathan Srinivasan, et al Certificate or Fee LIST OF ART CITED BY APPLICANT Filing Date Group To Be Assigned Herewith (Use several sheets if necessary) U.S. PATENT DOCUMENTS SUBCLASS NAME CLASS FILING DATE Examiner DOCUMENT NUMBER DATE Initial\* IF APPROPRIATE 5,738,800 14Apr1998 Hosali et al. 216 99 5,759,917 02Jun1998 Grover et al. 438 690 6,299,659 B1 09Oct2001 Kido et al. 51 309 Hosali et al. 252 79.1 6,042,741 28Mar2000 79.1 17Oct2000 Hosali et al. 252 6,132,637 6,218,305 B1 17Apr2001 Hosali et al. 438 691 6,027,554 22Feb2000 Kodama et al. 106 3 3 5,876,490 02Mar1999 Ronay 106 156 626.1 5,575,885 19Nov1996 Hirabayashi et al. 31Mar1998 438 692 5,733,819 Kodama et al. 438 693 6,410,444 25Jun2002 Kido et al. 6,436,835 20Aug2002 Kido et al. 438 693 FOREIGN PATENT DOCUMENTS COUNTRY SUBCLASS TRANSLATION DOCUMENT NUMBER DATE Examiner YES Initial\* WO99/43761 01Sep1999 PCT (See EP1061111A1 for Х english equivalent) EPO (Eng. Eqv. WO99/43761) X EP 1 061 111 A1 20Dec2000 C09G 1/02 30Jul1997 Х 0 786 504 A2 EΡ 1/02 Х 0 846 740 A1 10Jun1998 EP C09G 0 853 335 A2 15Jul1998 EP H01L 21/3105 Х 21/00 Х WO 99/53532 21Oct1999 **PCT** H01L 0 659 858 A2 28Jun1995 EP C09G 1/02 OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.) Chemical Mechanical Planarization of Microelectronic Materials, "8.1.2 Shallow Trench Isolation"; by J. M. Steigerwald, S. P. Muraka, and R. J. Gutman; ISBN 0-471-13827-4 (Jon Wiley & Son, Inc. 1997), pages 273-274. A High Oxide: Nitride Selectivity CMP Slurry For Shallow Trench Isolation; by Sharath Hosali and Ray Lavoie; Electrochemical Society Proceedings, Volume 98-7, pages 218-234. Application of Ceria-Based High Selectivity Slurry to STI CMP for Sub 0.18 µm CMOS Technologies; by Ki-Sik Choi, Sang-Ick Lee, Chang-Il Kim, Chul-Woo Nam, Sam-Dong Kim, and Chung-Tae Kim; CMP-MIC Conference, February 11-12, 1999, pages 307-313. A Production-Proven Shallow Trench Isolation (STI) Solution Using Novel CMP Concepts; by Raymond R. Jin, Jeffery David, Bob Abbassi, Tom Osterheld, and Fritz Redeker; CMP-MIC Conference, February 11-12, 1999, pages 314-321. A Wide Margin CMP and Clean Process For Shallow Trench Isolation Applications; by Brad Withers, Eugene Zhao, Rahul Jairath; CMP-MIC Conference, February 19-20, 1998, pages 319-327. Planarization Process and Consumable Development For Shallow Trench Isolation; by Sharath D. Hosali, et al.; CMP-MIC Conference, February 13-14, 1997, pages 52-57. Pattern Dependence And Planarization Using Silica Or Ceria Slurries For Shallow Trench Isolation; by D. R. Evans, et al.; CMP-MIC Conference, February 19-20, 1998, pages 347-350. A Two-Step CMP-RIE Planarization Sequence For Advanced Trench Isolation Process; by Konstantin Smekalin; CMP-MIC Conference, February 13-14, 1997, pages 21-28. Raising Oxide: Nitride Selectivity To Aid In The CMP Of Shallow Trench Isolation Type Applications; by C.R. Mills, et al.; CMP-MIC Conference, February 13-14, 1997, pages 179-185. **EXAMINER** DATE CONSIDERED \*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant